

BUILDING DATA

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PROJECT: WOODROW WILSON SENIOR HIGH SCHOOL MODERNIZATION
PROJECT ADDRESS: 3950 CHESAPEAKE STREET NW
SQUARE NUMBERS: 1768, 1772, 1840
LOT NUMBERS: 806 - SQUARE 1768, 807 - SQUARE 1840, 802 - SQUARE 1772

LOT AREA: GSF

LOT OCCUPANCY: %

ZONE: R-1B

BUILDING FOOTPRINT

BUILDING SQUARE FOOTAGE

HEIGHT:
ATHLETIC CENTER 38.08'
ACADEMIC BUILDING 47.08'
VISUAL and PERFORMING ARTS CENTER 1 37.00'
VISUAL and PERFORMING ARTS CENTER 2

STORIES:
ATHLETIC CENTER 1 STORY BELOW GRADE, 1 STORY ABOVE GRADE WITH MEZZANINE
ACADEMIC BUILDING 4 STORIES ABOVE GRADE - EXISTING
CAFETERIA 2 STORIES BELOW GRADE, 1 STORY ABOVE GRADE - NEW
VISUAL and PERFORMING ARTS CENTER 1 1 STORY BELOW GRADE, 2 STORIES ABOVE GRADE - EXISTING
VISUAL and PERFORMING ARTS CENTER 2 1 STORY BELOW GRADE, 1 STORY ABOVE GRADE WITH MEZZANINE

FAR LIMIT:
FAR PROJECT: 67 EXISTING SURFACE
EXISTING PARKING: 172 IN GARAGE
REQUIRED / PROPOSED PARKING: 1 EXISTING
EXISTING LOADING: 1 EXISTING
REQUIRED / PROPOSED LOADING: 1 / 1

FAR CALCULATION *
GROSS SQUARE FOOTAGE DOES NOT INCLUDE CELLAR OR SPACE IN ATTIC WITH LESS THAN 6'-6" OF CLEARANCE PER DISTRICT OF COLUMBIA MUNICIPAL REGULATIONS SECTION 199, DEFINITIONS.

GROSS FLOOR AREA FOR FAR CALCULATION:

ATHLETIC CENTER BUILDING (incl. New AUX GYM) GROSS SF

LOWER LEVEL gsf
FIRST FLOOR gsf
MEZZANINE gsf
Sub Total 44,460 gsf

ACADEMIC BUILDING GROSS SF

GROUND FLOOR gsf
FIRST FLOOR gsf
SECOND FLOOR gsf
THIRD FLOOR gsf
Sub Total 187,159 gsf

CAFETERIA GROSS SF

LOWER LEVEL 1 gsf
LOWER LEVEL 2 gsf
FIRST FLOOR gsf
Sub Total 74,863 gsf

VISUAL and PERFORMING ARTS CENTER 1 (VPAC 1) GROSS SF

BEASEMENT gsf
FIRST FLOOR gsf
SECOND FLOOR gsf
Sub Total 36,640 gsf

VISUAL and PERFORMING ARTS CENTER 2 (VPAC 2) GROSS SF

BASEMENT gsf
FIRST FLOOR gsf
MEZZANINE gsf
Sub Total 74,141 gsf
TOTAL 417,263 gsf

* FAR = (gross floor area) / (lot area)

APPLICABLE BUILDING CODES:

ALL CODES SUBJECT TO THE DISTRICT OF COLUMBIA CONSTRUCTION CODE SUPPLEMENT of 2008 (DCMR 12)
ALTERATIONS AND ADDITIONS SUBJECT TO THE DISTRICT OF COLUMBIA DCMR 12J - for EXISTING BUILDINGS

ICC INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2006
ICC INTERNATIONAL BUILDING CODE (IBC) 2006
ICC INTERNATIONAL ENERGY CONSERVATION CODE 2006
ICC INTERNATIONAL FIRE PREVENTION CODE 2006
ICC INTERNATIONAL FUEL GAS CODE 2006
ICC INTERNATIONAL MECHANICAL CODE (IMC) 2006
ICC INTERNATIONAL PLUMBING CODE (IPC) 2006
ICC INTERNATIONAL FUEL GAS CODE (IGC) 2006
ICC INTERNATIONAL ENERGY OBSERVATION CODE 2006
NATIONAL ELECTRICAL CODE (NEC) 2005
ADA ACCESSIBILITY GUIDELINES AND CARB A117.1 2003
DC Law 8-36 DISTRICT OF COLUMBIA ENVIRONMENTAL POLICY ACT OF 1989
DCMR TITLE 11 - ZONING REGULATIONS
DCMR 13 - ELECTRICAL and MECHANICAL
DCMR 13A - ELEVATORS

ACCESSIBILITY CODE REFERENCE:

ICC A117.1 - 1998
ICC INTERNATIONAL BUILDING CODE (IBC) 2006

USE GROUP CLASSIFICATION:

ATHLETIC CENTER NON-SEPERATED MIXED-USE GROUPS E, A3 and A4 with GROUP B and S1 ACCESSORY USES
ACADEMIC BUILDING NON-SEPERATED MIXED-USE GROUPS E and A3 with GROUP B, S1 and S2 ACCESSORY USES
CAFETERIA NON-SEPERATED MIXED-USE GROUPS A2 and S2 with GROUP B ACCESSORY USE
VISUAL and PERFORMING ARTS CENTER 1 NON-SEPERATED MIXED-USE GROUPS E, A3 and S1 with GROUP S2 ACCESSORY USE
VISUAL and PERFORMING ARTS CENTER 2 NON-SEPERATED MIXED-USE GROUPS E, A1 and S2 with GROUP B and S1 ACCESSORY USE

CONSTRUCTION TYPE:

NEW CONSTRUCTION: TYPE: IIB

ALLOWABLE AREA PER CONSTRUCTION TYPE:

NEW CONSTRUCTION: TABLE 503 IBC
BUILDING CONSTRUCTION TYPE AREA ALLOWED (SF) AREA PROPOSED (SF)

ATHLETIC CENTER IIB 31,499 25,645
ACADEMIC BUILDING IIB 55 38.08
VPAC 1 IIB 28,500 13,957
VPAC 2 IIB 37,995 34,545

ALLOWABLE HEIGHT PER CONSTRUCTION TYPE:

NEW CONSTRUCTION: TABLE 503 IBC
BUILDING CONSTRUCTION TYPE HEIGHT ALLOWED (SF) HEIGHT PROPOSED (SF)
ATHLETIC CENTER IIB 55 38.08
ACADEMIC BUILDING IIB 160 47.08
VPAC 1 IIB 55 37.00
VPAC 2 IIB 55

FIRE SUPPRESSION:

FULLY SUPPRESSED PER 903.3.1.1

FIRE RESISTANCE RATING REQUIREMENT FOR BUILDING ELEMENTS:

BUILDING ELEMENT TYPE IIB FIRE RESISTANCE RATING REQUIRED/PROVIDED
STRUCTURAL FRAME 0 - HOURS
BEARING WALLS 0 - HOURS
EXTERIOR 0 - HOURS
INTERIOR 0 - HOURS
NON BEARING WALLS AND PARTITIONS 0 - HOUR, WHEN FIRE SEPARATION DISTANCE IS <5' FOR A2 USE GROUP
EXTERIOR 0 - HOURS
INTERIOR 0 - HOURS
FLOOR CONSTRUCTION 0 - HOURS
ROOF CONSTRUCTION 0 - HOUR, USE GROUP A2
0 - HOURS, USE GROUP F1

EGRESS STAIRS ENCLOSURES:
MECHANICAL SHAFTS:
EXIT ACCESS CORRIDOR:

INTERIOR FINISHES:
NEW CONSTRUCTION GROUP: CLASS B OR C PER TABLE 803.4 AND NOTE C

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON SEPARATION DISTANCE:

NEW CONSTRUCTION: IBC, TABLE 602
NORTH SOUTH EAST WEST
ATHLETIC CENTER 0 - HOURS 0 - HOURS 0 - HOURS 0 - HOURS
ACADEMIC BUILDING 0 - HOURS 1 - HOUR NA 0 - HOURS
CAFETERIA 0 - HOURS 0 - HOURS 3 - HOURS 0 - HOURS
VPAC 1 0 - HOURS 1 - HOURS 3 - HOURS 3 - HOURS
VPAC 2 0 - HOURS 0 - HOURS 3 - HOURS 0 - HOURS

MAXIMUM PERCENTAGE OF EXTERIOR WALL OPENINGS

NEW CONSTRUCTION: IBC, TABLE 704.8
NORTH SOUTH EAST WEST
ATHLETIC CENTER N.L. 75% N.L. N.L.
ACADEMIC BUILDING N.L. N.L. NA N.L.
CAFETERIA N.L. N.L. F.W. NA
VPAC 1 N.L. F.W. F.W.
VPAC 2 N.L. N.L. F.W. N.L.
N.L. - NOT LIMITED
F.W. - FIRE WALL REQUIRED
NA - NOT EXTERIOR WALL

OCCUPANT LOAD

OCCUPANT LOAD FACTOR (OLF) NEW CONSTRUCTION: IBC TABLE 1004.1.1

USE OF SPACE SE PER PERSON

ASSEMBLY:
CONCENTRATED (Chairs Only - Non Fixed) 7 NET
15 NET
UNCONCENTRATED (Non Fixed Tables and Chairs) 5 NET
STANDING 100 GROSS
BUSINESS
EDUCATIONAL
CLASSROOMS 20 NET
SHOPS AND OTHER VOCATIONAL 50 NET
BUSINESS 100 GROSS
EXERCISE ROOMS / LOCKER ROOMS 50 GROSS
CLASSROOM AREA 20 NET
KITCHEN 200 GROSS
LIBRARY (Reading Room) 15 NET
LOCKER ROOMS 50 GROSS
PARKING GARAGES 200 GROSS
STAGES 15 NET
STORAGE, MECHANICAL EQUIPMENT ROOMS 300 GROSS
STORAGE STOCK SHIPPING AREA 300 GROSS
WAREHOUSES 500 GROSS

OCCUPANT LOAD FACTOR IS USED TO DETERMINE THE NUMBER OF OCCUPANTS FOR WHICH THE BUILDING EGRESS ELEMENTS MUST BE DESIGNED.

REFER TO DESIGN PLANS

NUMBER OF EXITS

THE NUMBER OF EXITS FOR EACH BUILDING IBC TABLE 1019.1 IS AS FOLLOWS:
OCCUPANT LOAD NUMBER OF EXITS
1-500 PERSONS 2
501-1,000 3
MORE THAN 1,001 4

EGRESS CAPACITY

REFER TO DESIGN PLANS

COMMON PATH OF TRAVEL / EXIT TRAVEL / DEAD END DISTANCES

IBC TABLES 1014.3, 1016.1, and 1017.3

BUILDING OCCUPANCY GROUP COMMON PATH OF TRAVEL (ft) EXIT ACCESS of TRAVEL (ft) DEADEND DISTANCE (ft)
ATHLETIC CENTER E 75 250 20
A3 75 250 20
A4 75 250 20
ACADEMIC BUILDING E 75 250 20
A3 75 250 20
CAFETERIA A2 75 250 20
S2 100 400 20
VPAC 1 E 75 250 20
A3 75 250 20
S1 100 400 20
VAPC 2 E 75 250 20
A1 75 250 20
S2 400 250 20

MEANS OF EGRESS CALCULATIONS:

STAIRWAY WIDTH (1003.3.3.1)

VERTICAL EXIT ENCLOSURES

PER IBC SECTION 1006.3.2, EXCEPTION 8
A MAXIMUM OF 50% OF EGRESS STAIRWAYS SERVING ONE ADJACENT FLOOR ARE NOT REQUIRED TO BE ENCLOSED, PROVIDED AT LEAST TWO MEANS OF EGRESS ARE PROVIDED FROM BOTH FLOORS SERVED BY THE UNENCLOSED STAIRWAYS.

EXIT DISCHARGE

PER IBC SECTION 1006.1, A MAXIMUM OF 50% OF THE NUMBER OF THE EXIT ENCLOSURES IS PERMITTED TO EGRESS THROUGH AREAS ON THE LEVEL OF DISCHARGE PROVIDED EGRESS IS FREE AND UNOBSTRUCTED. THE ENTIRE AREA OF THE LEVEL OF DISCHARGE IS SEPARATED FROM AREAS BELOW BY CONSTRUCTION CONFORMING TO THE FIRE-RESISTANCE RATING FOR THE EXIT ENCLOSURE, AND THE BUILDING IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM.

PLUMBING FIXTURE COUNT:

IBC TABLE 2901.1

PROJECT SQUARE FOOTAGES

ACADEMIC BUILDING

LEVEL GROSS SQUARE FOOTAGE (GSF)
EXISTING GROUND FLOOR 38,635 GSF
EXISTING GROUND FLOOR CORRIDOR A 1,824 GSF
EXISTING GROUND FLOOR CORRIDOR B 2,443 GSF
NEW GROUND FLOOR ATRIUM 10,338 GSF
NEW GROUND FLOOR TERRACE 3,271 GSF
NEW GROUND FLOOR ROSE GARDEN 12,330 GSF
EXISTING FIRST FLOOR 37,842 GSF
EXISTING FIRST FLOOR CORRIDOR A 1,829 GSF
EXISTING FIRST FLOOR CORRIDOR B 2,443 GSF
NEW FIRST FLOOR GREENHOUSE 4,152 GSF
EXISTING SECOND FLOOR 37,842 GSF
EXISTING THIRD FLOOR 37,842 GSF
EXISTING ATTIC 18,871 GSF
BUILDING TOTAL 187,159 GSF
EXISTING CONSTRUCTION TOTAL 168,668 GSF
NEW CONSTRUCTION TOTAL 28,501 GSF

ATHLETIC CENTER

LEVEL GROSS SQUARE FOOTAGE (GSF)
EXISTING GROUND FLOOR 4,419 GSF
NEW GROUND FLOOR 8,377 GSF
EXISTING FIRST FLOOR 16,291 GSF
NEW FIRST FLOOR 16,278 GSF
EXISTING SECOND FLOOR 3,449 GSF
NEW SECOND FLOOR 3,429 GSF
NEW GROUND FLOOR 8,377 GSF
BUILDING TOTAL 44,980 GSF
EXISTING CONSTRUCTION TOTAL 23,175 GSF
NEW CONSTRUCTION TOTAL 21,805 GSF

CAFETERIA

LEVEL GROSS SQUARE FOOTAGE (GSF)
NEW LOWER LEVEL P2 27,568 GSF
NEW LOWER LEVEL P1 24,255 GSF
NEW FIRST FLOOR 22,615 GSF
BUILDING TOTAL 74,438 GSF
EXISTING CONSTRUCTION TOTAL 0 GSF
NEW CONSTRUCTION TOTAL 74,438 GSF

VISUAL and PERFORMING ARTS CENTER 1

LEVEL GROSS SQUARE FOOTAGE (GSF)
EXISTING GROUND FLOOR 13,357 GSF
EXISTING FIRST FLOOR 13,834 GSF
EXISTING SECOND FLOOR 3,435 GSF
NEW SECOND FLOOR 5,315 GSF
NEW FIRST FLOOR 5,432 GSF
BUILDING TOTAL 38,040 GSF
EXISTING CONSTRUCTION TOTAL 31,300 GSF
NEW CONSTRUCTION TOTAL 6,740 GSF

VISUAL and PERFORMING ARTS CENTER 2

LEVEL GROSS SQUARE FOOTAGE (GSF)
EXISTING GROUND FLOOR 21,120 GSF
NEW GROUND FLOOR 13,429 GSF
NEW GROUND FLOOR EXTERIOR ART TERRACE 3,878 GSF
EXISTING FIRST FLOOR 23,811 GSF
NEW FIRST FLOOR 10,303 GSF
NEW SECOND FLOOR 5,432 GSF
BUILDING TOTAL 77,263 GSF
EXISTING CONSTRUCTION TOTAL 44,031 GSF
NEW CONSTRUCTION TOTAL 33,252 GSF

TOTAL BUILDING AREA 421,104 GSF
TOTAL EXISTING CONSTRUCTION AREA 268,094 GSF
TOTAL NEW CONSTRUCTION AREA 151,010 GSF

NOTE: ALL SQUARE FOOTAGES ARE BASED ON AVAILABLE INFORMATION AND HAVE NOT BEEN FIELD VERIFIED

OCCUPANCY CALCULATIONS

WILSON HIGH SCHOOL OCCUPANCY CALCULATIONS

BUILDING/FLOOR ROOM SF FLOOR AREA PER OCCUPANT # OCCUPANTS PER CODE # EXITS REQUIRED # EXITS PROVIDED
Academic Bldg/G Cyber Caf6 990 15 66
Media Center 4,760 50 95
Media Office Area 750 100 8
Media Production 770 20 39
Alt Ed Classroom 620 20 31
School Store/Bank 610 30 20
Admin (Office) 7,850 100 79
Waiting/Conference 1,240 15 83
Storage 1,320 300 4
Cots 460 200 2
Mech/Elec/Telecom 2,720 300 9
Cust Clos 60 300 0
Assembly(Crtyd) 10,360 5 2,072
Total 2,598 4 exits 6 exits

Academic Bldg/1 Classroom #1 930 20 47
Classroom #2 770 20 39
Classroom #3 750 20 38
Classroom #4 750 20 38
Classroom #5 720 20 36
Science Clrm #1 1,200 20 60
Science Clrm #2 1,180 20 59
Science Clrm #3 1,220 20 61
Science Prep #1 200 20 10
Science Prep #2 210 20 11
Special Ed Cls #1 930 20 47
Special Ed Cls #2 770 20 39
Daily Living/Kitchen 430 20 22
Resource Rm #1 480 20 24
Resource Rm #2 380 20 19
Resource Rm #3 580 20 29
Small Group Rm #1 280 20 14
Small Group Rm #2 290 20 15
Publications Workrm 20 29
Sci&Tech/Fin Acad 1,260 100 13
Teacher Wk #1 1,340 100 13
Special Ed Suite 1,750 100 18
Staff Development 300 100 3
Storage 370 300 1
Mech/Elec/Telecom 400 300 1
Cust Clos 30 300 0
Total 882 3 exits 7 exits

Academic Bldg/2 Classroom #6 870 20 44
Classroom #7 710 20 36
Classroom #8 930 20 47
Classroom #9 720 20 36
Classroom #10 700 20 35
Classroom #11 740 20 37
Classroom #12 750 20 38
Classroom #13 700 20 35
Classroom #14 750 20 38
Classroom #15 760 20 38
Classroom #16 720 20 36
Classroom #17 670 20 34
Classroom #18 960 20 48
Classroom #19 880 20 45
Science Clrm #4 1,200 20 60
Science Clrm #5 1,200 20 60
Science Clrm #6 1,200 20 60
Science Prep #4 250 20 15
Science Prep #5 220 20 11
Science Prep #6 220 20 11
Project Ind Study 1,550 20 78
Resource Rm #4 320 20 16
Resource Rm #5 380 20 19
Resource Rm #6 380 20 19
Resource Rm #7 320 20 16
HAWNSP Academy 1,030 100 10
Teacher Wk #2 1,130 100 11
Cust Clos 420 300 1
Mech/Elec/Telecom 30 300 0
Total 1,009 3 exits 4 exits

Academic Bldg/3 Classroom #20 780 20 39
Classroom #21 560 20 28
Classroom #22 900 20 45
Classroom #23 720 20 36
Classroom #24 720 20 36
Classroom #25 720 20 36
Classroom #26 730 20 37
Classroom #27 740 20 37
Classroom #28 710 20 36
Classroom #29 770 20 39
Classroom #30 750 20 38
Classroom #31 700 20 35
Classroom #32 750 20 38
Classroom #33 700 20 35
Classroom #34 760 20 38
Classroom #35 720 20 36
Classroom #36 670 20 34
Classroom #37 640 20 32
Science Clrm #9 1,040 20 52
Science Clrm #10 770 20 39
Science Clrm #11 1,390 20 70
Science Clrm #12 1,350 20 68
Science Prep #11 150 20 8
Science Prep #12 150 20 8
Large Instruction 1,560 20 78
Resource Rm #8 340 20 17
9th Grade Acad. 750 100 8
Teacher Wk #3 1,000 100 10
Mech/Elec/Telecom 440 300 1
Cust Clos 30 300 0
Total 1,009 4 exits 4 exits

Cafeteria/P-2 Parking 25,440 200 127
Storage 370 300 1
Total 128 2 exits 2 exits

Cafeteria/P-1 Parking 16,380 200 82
Mech/Elec 1,700 300 6
Total 88 2 exits 2 exits

Cafeteria/1 Kitchen/Serving 3,140 200 16
Eating - not fixed 8,710 15 581

Storage 1,790 300 6
Office 130 100 1
Lounge 630 15 42
VPAC 1/G Tech Teaching Lab 2,700 50 54
Classroom 1,160 20 58
Shops 1,500 50 30
Office 300 100 3
Storage 1,890 300 6
Mech/Elec/Telecom 4,000 300 13
Cust Clos 80 300 0
Total 165 2 exits 5 exits

VPAC 1/1 Tech Clrm #1 1,280 20 64
Tech Clrm #2 1,280 20 64
Classroom 650 20 33
Choral 2,430 15 162
Black Box 2,470 15 165
Office 240 100 2
Storage 970 300 5
Total 493 (3) exits 3 exits

VPAC 1/2 Science Clrm #7 1,280 20 64
Science Clrm #8 1,280 20 64
Science Prep 330 20 17
Tech Clrm #3 930 20 47
Tech Clrm #4 1,080 20 54
Storage 330 300 1
Cust Clos 80 300 0
Total 248 2 exits 4 exits

VPAC 2/G Parking 19,770 200 99
3D Visual Arts 1,340 50 27
2D Visual Arts #1 1,190 50 24
2D Visual Arts #2 1,190 50 24
2D Visual Arts #3 1,350 50 27
Darkroom 840 50 17
Storage 360 300 1
Total 218 2 exits 2 exits

VPAC 2/1 Auditorium fixed 847
Stage 2,750 15 183
Music Lib/Office 280 100 3
Arts Office 280 100 3
Ticket Booth 150 100 2
Music 1,290 50 26
Instrumental 1,330 50 27
Band 2,730 50 55
Practice Rooms 300 15 20
Dressing Rooms 640 15 43
Scene Shop 1,440 50 29
Storage 2,065 300 7
Mech/Elec/Telecom 190 300 1
Total 1,243 4 exits 4 exits

VPAC 2/2 Control Room 290 300 1
Storage 200 300 1
Total 2 2 exits 2 exits

CLIENT



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REGISTRATION

MARK	DATE	DESCRIPTION
	09.25.2009	Schematic Design Submittal

CGS PROJECT NO.: 2905

DRAWN BY:

CHECKED BY:

GRAPHIC SCALE:

KEY PLAN

SHEET TITLE

BUILDING DATA